Title (en)
Printer with fast line feed speed

Title (de)
Drucker mit hoher Zeilenvorschubgeschwindigkeit

Title (fr)
Imprimante avec avancement d'interligne à haute vitesse

Publication
EP 1188569 B1 20070418 (EN)

Application
EP 01307766 A 20010912

Priority
US 66103400 A 20000913

Abstract (en)
[origin: EP1188569A2] Feeding a recording medium through a printer for printing images on the recording medium by actuating a line feeding motor in predetermined stepped increments, feeding the recording medium through the printer by a line feeding device driven by the line feeding motor, printing a image on the recording medium by a print head scanning across the recording medium and ejecting ink from nozzles, the print head having j nozzles spaced at a predetermined pixel resolution that is less than a pixel resolution printed by the printer, j being an integer number, controlling the actuating step to actuate the line feed motor in stepped increments, and controlling the j nozzles utilized in printing the image. For each stepped increment of the line feed motor, the line feeding device feeds the recording medium (m x 1/n) pixels of the print head pixel resolution, where m and n are integer numbers and m is greater than n. The j nozzles that print in any one scan of the print head are controlled based on the number of increments of the line feed motor. Additionally, a print driver calculates a line skip amount and a buffer offset amount, and adjusts a starting position for storing of the image data in a print buffer in a case where a first line of image data to be stored in the print buffer is white data. <IMAGE>

IPC 8 full level
B41J 2/01 (2006.01); **B41J 19/78** (2006.01); **B41J 2/505** (2006.01); **B41J 5/30** (2006.01); **B41J 11/42** (2006.01); **G06K 15/10** (2006.01); **H04N 1/17** (2006.01); **H04N 1/40** (2006.01)

CPC (source: EP US)
B41J 2/5056 (2013.01 - EP US); **B41J 11/42** (2013.01 - EP US); **G06K 15/105** (2013.01 - EP US)

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DE FR GB IT

DOCDB simple family (publication)
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